

**METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR
IMPLEMENTING ENHANCED PROXY ARP FOR VIRTUAL IP
ADDRESSES**

Abstract of the Disclosure

5 A method, apparatus and computer program product are provided for
implementing enhanced proxy Address Resolution Protocol (ARP) for Virtual
Internet protocol (IP) addresses. A Virtual Internet protocol (IP) interface
requiring proxy ARP is identified and a proxy agent for the Virtual Internet
10 Internet protocol (IP) interface is dynamically selected. An IP address for the Virtual
Internet protocol (IP) interface is added to an address list of a physical
adapter for the selected proxy agent. Utilizing the physical adapter for the
selected proxy agent, the added IP address for the Virtual Internet protocol
(IP) interface is broadcast with a media access control (MAC) address of the
physical adapter for the selected proxy agent.